

October 15, 1979

Mr. Charles Whittington
Vice President-Production
Clary House, Inc.
1938 South Campbell
Springfield, Missouri 65804

Dear Mr. Whittington:

This office would like to thank you for the tour of your plant on October 12. As mentioned during the tour, the sanitary sewer which your plant is tributary suffered a stoppage on October 11.

Maintenance crews recovered, potatoes, potato pieces, and potato vines from the blockage. As you know, these items are prohibited for discharge to the sanitary sewer and have been the cause of previous problems.

The costs for correcting the stoppage are:

Personnel	Hour	Wage	Cost
O. Boyce	1.5	8.92	13.38
T. Thompson	1.5	7.49	11.24
B. West	1	8.92	8.92
E. Letterman	1	6.98	6.98
			<u>40.52</u>
Equipment			Cost
T2-67			3.64
NP-79			4.25
NP-106			5.00
			<u>12.89</u>
Materials			
1500 gal. water			5.25
		TOTAL	<u>\$58.66</u>

The sum of \$58.66 should be remitted to the Director of Finance, City of Springfield, Missouri, and sent to:

City Hall, Room 210
830 Boonville,
Springfield, Missouri 65802
Attn: Mr. Robert R. Schaefer, P.E.

1938 S. CAMPBELL

July 30, 1974

Mr. Charles Whittington, Plant Manager
Clary House, Incorporated
Post Office Box 3439
Springfield, Missouri 65804

Dear Mr. Whittington:

Please be advised that on several occasions prior to this letter, you have been contacted by personnel from the Sanitary Services Division regarding the discharge from your plant into the City's sanitary sewer. For reference, please see again my letter of October 16, 1973.

Recent inspections indicate that your discharge is again in violation of sewer use ordinances. The discharge most recently contained pieces of potato, potato eyes, cloth tape, plastic or polyethylene bag material and stiff wire, in addition to "oil and grease" buildup. Apparently your in-house education program is inadequate to cope with the problem.

By means of a copy of this letter, I am asking our Maintenance Section to thoroughly clean and flush out the line into which you discharge once again. When these operations are complete, surveillance and enforcement personnel will periodically inspect and sample the discharge. We have no other choice but to report subsequent violations to our Legal Department. If you have any questions, please feel free to contact us.

Yours truly,

Charles H. Criswell
Associate Sanitary Engineer
Water Pollution Control

CHC:cc

cc: Mr. Bill Foster, Supervisor of Sewer Maintenance
Mr. Rick Morris, Assistant City Attorney
Mr. Jim Burris, Regional Engineer, Missouri Clean Water Commission

14385. Campbell

Mr. Charles Whittington
Vice President-Production
October 15, 1979
Page 2

This office concurs with you that a concrete dam located in the Northeast corner of your trench drain-pump sump would eliminate operator error. The timely completion of this project and subsequent notification to this office would be appreciated.

If we can be of any assistance please feel free to call.

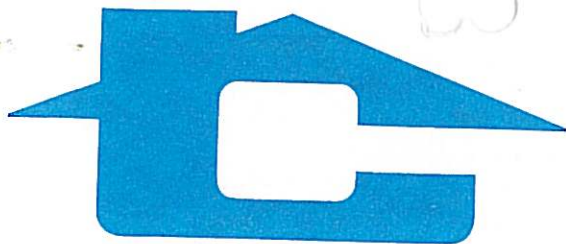
Yours truly,

Stephen Short
Water Pollution Control Inspector II

SS/js

cc: Mr. Robert R. Schaefer, P.E., Superintendent of Sanitary Services
Director of Finance

1938 S. CAMPBELL



CLARY HOUSE, INC.

POST OFFICE BOX 3439 • SPRINGFIELD, MISSOURI 65804 • (417) 883-0505

October 22, 1973

Mr. Charles H. Criswell
Chemist and Aquatic Biologist
Industrial Wast Surveillance & Enforcement
City Hall
830 Boonville Avenue
Springfield, Missouri 65801

Dear Mr. Criswell

In reply to your letter of October 16, 1973 and confirming our telephone conversation of October 18, 1973, I will outline the steps we have taken to correct the difficulties mentioned in your letter.

1. We are no longer discharging the residue from our stream stack's air cleaner into the sewer. This residue amounted to about 30 gallon of oil and water per week. We now catch this residue in a container and dump it into our trash containers and have it hauled to the land fill.
2. We have issued directions that no oil is to go into the sewer. All spills are to be squeegeed up and dumped into the trash bins.
3. All potato chips are to be picked up and under no circumstances flushed down the drains.
4. We have on order from Blaw Knox Food Machinery Company, Buffalo, New York, a heat exchanger where by the oil will be heated through a series of pipes and pumped through our cooker. This will elimiate all direct fire under our cooking vessel and elimiate burn outs which cause oil spills and fumes. This equipment is scheduled for delivery in December 1973 and we hope to have it operational by the 15th of January 1974.

MANUFACTURERS OF

Kitty Clover

AND

Cardinal

POTATO CHIPS

1938 S. CAMPBELL

Mr. Charles Criswell
October 22, 1973
Page -2-


5. We now have in our plant a new washing system that is supposed to cut our water consumption from 800 gph to 40 gph. It will separate the starch and the fines from the water and deposit the starch in plastic bags. The fines will be deposited in containers and can be used in the manufacture of animal feed. The water is cleaned up and used over and over. This equipment is to be operational by November 15 or December 1. We are waiting for one more piece of equipment to be used in conjunction with the washing system. As soon as it arrives, we will begin installation. It is estimated the improvements outlined herein will cost our company in excess of \$100,000.00.

Please be assured we are doing everything possible to correct the existing situation and we are anxious as you are to correct it.

We appreciate your understanding and patience in this matter. We are pleased to know our city is doing everything possible to comply with state and federal standards. When our modernization program is completed we will have one of the most modern potato chip plants in the United States and a plant the city and state can be proud of.

Cordially,

CLARY HOUSE, INC.


Charles Whittington
Production Manager

CW/pp

cc: Mr. Jim Burris
Regional Engineer
Missouri Clean Water Comm.

1938 S. CAMPBELL

October 16, 1973

Mr. Charles Whittington, Plant Manager
Kitty Clover Potato Chip Company
1938 South Campbell
Springfield, Missouri 65807

Dear Mr. Whittington:

It has been some time since we have had an opportunity to discuss your operation. When we last talked, you indicated a willingness to study the problems of excessive discharge of "oil and grease" (hexane Soxhlet extraction) and of large size solid particles. As we have previously discussed, the discharge from your plant has been found to be in violation of our sewer use ordinances on various occasions. We had jointly ascertained that a significant part of this problem centered around both improper maintenance and improper use of grease traps and screens inside the plant. You indicated that the solids problem could be handled in-plant by education and improved house-keeping, and that you were studying new equipment for reduction of "oil and grease."

We are still experiencing difficulties in regard to both of the above problems. The sewer line into which you discharge has been subject to unusually frequent maintenance to reduce buildup of solidified masses of grease, oil, starches, and solids, and to eliminate actual line blockages. In addition, our surveillance crews have extracted samples from your discharge and downstream, and found pieces of potato too large to fit into a wide-mouth sample bottle.

In regard to the above problems, we would request that you initiate some type of concrete program to eliminate these abuses of your sewer use privileges. We further request that you contact this office in writing within two (2) weeks and submit a reasonable time schedule to implement your program.

1938 S. Campbell

Mr. Charles Whittington, Plant Manager
October 16, 1973
Page -2-

We are most willing to meet with you at your convenience to discuss these matters. If we may be of any assistance or can answer any question, please do not hesitate to call.

Yours truly,

Charles H. Griswell
Chemist and Aquatic Biologist
Industrial Waste Surveillance & Enforcement

CHC:cc

cc: Mr. Jim Burris, Regional Engineer, Missouri Clean Water Commission

1438 2. Chamber

800 GPH to 40 GPH

Pant & Stack removal

95% id -

waiting on Pot. Harbor

Residue from stacks -
drill -

now catch id 55 gal barrel 35-45 g/week

New heat exchanger 2x capacity

oil heated in exchanger -

no fire under cooker

eliminate oil seepage & spillage

\$100,000.00

Middle of North - on washing - now considering other
setup in 2-3 days

Arrive San Saturday - Film on washing equip 10:00

Cooking equip in Dec.

stack fabrication

installation? week

Relocation of peeling operations - convey -
wash remain in coal room

ADDRESS	WYE MAP	DATE	TIME	MAN HOURS	VEHICLE	LOCATION & FOOTAGE	FINDINGS
1950 S Johnson	(T-9) U-10	1-18-73	3:30 4:30 PM	4 6	T-3-39 T2-23 NP44	called flush MH 24 324'S	Grease Grease ✓
1938 S Campbell	U-10	1-22-73	8:00 AM	12	T3-39	MH 31? 31	TMW (G) ✓
1732 S Lancaster	T-9	1-26-73	2:35 PM	6	T3-39	MH 37 81'N	CI
1112 E Washita	U-11	2-12-73	10:15 AM	3	T2-23	MH 49 65'N	R
657 W Stanford	T-9	2-16-73	12:30 PM	3	T2-23	MH 32 130'E	Grease ✓
444 S Campbell	T-10	2-22-73	5:23	4	T3-19	MH 79 423'N	Sludge? (G?)
1938 S Campbell	U-10	3-1-73	8:30 A.M.	3	T2-23 NP44	MH 30 295'N	Grease & Potatoes ✓
227 W Portland	T-10	3-7-73	7:25 PM	5	T3-19	MH 3 100'E	CI
203 W Whiteside	V-10	3-24-73	8:00 PM	4	T3-39	MH 8 113'N	CI
512 E McGee	U-10	4-22-73	2:00 PM	3	T3-39	MH 15, 52	TMW (G) ✓
203 E Washita	U-10	4-23-73	3:25 PM	3	T2-23	MH 8, 7, 6, 5, 4, 3, 2, 1, 32, 27	TMW (G) ✓
629 W Sunshin	T-9	5-11-73	11:00 AM	3	T2-23	MH 26 30'E 30'W	CI
319 E Whiteside	V-10	6-1-73	3:55	4	T3-19	MH 6 200'W	CI (Flushed) ✓
1414 E Cherokee	U-12	7-19-73	8:00 AM	3	T2-23	MH 16 250'(E)	R
608 W Harney	S-9	8-3-73	1:55 PM	3	T2-23	MH 39 50'W	R
	U-10	1972	1, 4, 6, 6, 6		546 R		G
	U-10	1972	11, 11, 11, 11				TMW
1938 S Campbell	U-10	1-12-72	12:15 MID	4	T3-39	30, 31 MH 30 162'N	Grease & Rags ✓
1934 S Campbell	U-10	3-2-72	1:30 PM	4	T3-39	MH 30 162'N	Grease ✓
1900 S Campbell	U-10	3-24-72	9:30 AM	6	T3-19 NP233	MH 29 30'N	Potatoes (Flushed) ✓
1938 S Campbell	U-10	3-23-72	11:00 PM	2	T3-19	MH 31 150'N	Potatoes (Flushed) ✓
301 W Portland	T-10	4-9-72	8:30 PM	6	T3-19	MH 2, 3 270'E	Grease (Flushed) ✓
1938 S Campbell	U-10	4-14-72	9:50 PM	4	T3-19	MH 30, 31 295'N	Grease (Flushed) ✓
1938 S Campbell	U-10	6-2-72	8:10 AM	3	T2-23 NP44	MH 30 294'N	Potatoes & Sprouts & Grease ✓
1938 S Campbell	U-10	6-15-72	10:20 AM	6	T1-10	MH 30 295'N	Potatoes & Grease ✓
1938 S Campbell	U-10	6-1-72	2:00 AM	7	T3-19, T3-39	MH 30 30'N	WIRE & Grease Flushed & Cutters ✓
307 W Portland	T-10	9-29-72	10:00 AM	3	T3-39	MH 3 81'W	Grease ✓
Shady Inn	U-9	4-25-73	4:35 PM	4	T3-19	MH 27, 28 85'S	Grease

To

Larry

Date

Time

12:00 By LL

While You Were Out

Mr.

Chas. Whittington

of

Chas. House

☐ Telephoned

☐ Called to See You

☐ Will Call Again

☐ Wants to See You

☐ Please Call Him

☐ Rush!

Phone

Message

883-0505

Went to get letter -
wants to bring you
up to date on what
has been done

To Crusell

Date 4 Time By

While You Were Out

Mr. Whittington

of Clare House

- ☐ Telephoned
☐ Will Call Again
☐ Please Call Him

- ☐ Called to See You
☐ Wants to See You
☐ Rush!

Phone

Message

Is leaving town
tomorrow to take wife
to Bham. Says it
doesn't mean he will
be back but will
contact you when
he does get back.
They have found

and a star eggs) ^{which} ^{will} ^{remove} ^{the} ^{unwanted} ^{proteins}
which will remove
All starch & potatoe
feelings from discharge.
Will reduce flow from
85 gal per month to 25
gal per month. Are
doing some study on
Lipids - whether to get
for present need or
future needs. Have not
come up w/ anything
on grease. Would like
any suggestions you
might have on this.